Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 229358

Specifications

		GDS-820	GDS-820S	GDS-820C	GDS-840S	GDS-840C
DISPLAY SYSTEM	Display Device	Mono (320*240) 5.7 inch LCD	Mono (320*240) 5.7 inch LCD	Color (320*240) 5.7 inch LCD	Mono (320*240) 5.7 inch LCD	Color (320*240) 5.7 inch LCD
	Display Contrast	Adjustable				
	Waveform Display Graticule	8× 10 divisions (8 x 12 div, when menu off)				
	Display Mode	Dot, Vector, Accumulate				
VERTICAL SYSTEM	Bandwidth	150MHz			250MHz	
	Channels	2				
	Vertical Resolution	8-Bit				
	Vertical Sensitivity	2mV/div ~ 5V/div				
	Vertical Accuracy	± 3%				
	Rise Time	＜2.3ns			＜1.4ns	
	Input Coupling	AC、DC、Ground				
	Input Impedance	1MΩ ± 2%, ~22pF				
	Polarity	Positive & Negative				
	Maximum Voltage Between Signal & Common at Input BNC	300V（DC+AC peak）, CATII				
	Waveform Signal Process	Ch1+Ch2、Ch1-Ch2、FFT				
	Offset Range	2mV/div ~ 50mV/div：±0.5V; 100mV/div ~ 500mV/div：±5V; 1V/div ~ 5V/div：±50V				
	BW Limit	20MHz (-3dB)				
HORIZONTAL SYSTEM	Time Base Range	1ns/div to 10s/div				
	Time Base Mode	Main、Window、Window Zoom、Roll、X-Y				
	Time Base Accuracy	±0.01%				
	Delay Range	Pre-trigger：20 div maximum; Post-trigger：1000 div				
SIGNAL ACQUISITION SYSTEM	Real-Time Sample Rate	100MS/s maximum on each channel				
	Equivalent Sample Rate	25GS/s E.T. maximum on each channel				
	Record Length	125k/CH				
	Peak Detection	10ns				
	Acquisition Mode	Sample、Peak Detect、Average				
	Average	2、4、8、16、.....256				
TRIGGER	Trigger Source	CH1, CH2, Line, Ext				
	Mode	Auto Level、Auto、Normal、Single、TV、Time Delay、Event Delay、Edge、Pulse Width				
	Coupling	AC, DC, HF, LF, Noise Reject				
	Sensitivity	DC~25MHz：Approx 0.35div or 3.5mV 25MHz~150MHz：Approx 1.5div or 10mV			DC~25MHz：Approx 0.35div or 3.5mV 25MHz~250MHz：Approx 1.5div or 10mV	
X-Y MODE	X-Axis Input / Y-Axis Input	Channel 1 / Channel 2				
	Phase Shift	± 3° at 100kHz				
CURSOR & MEASUREMENT	Auto Voltage Measurement	V_{pp}, V_{amp}, V_{avg}, V_{rms}, V_{hi}, V_{lo}, V_{max}, V_{min}				
	Auto Time Measurement	Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle				
	Cursor Measurement	Voltage difference between cursors (ΔV) Time difference between cursors (ΔT) Frequency different between cursors（1/ΔT）				
FREQUENCY COUNTER	Readout Resolution	6 digits				
	Accuracy	±50 ppm（all frequency reference errors are included）& 1 count errors				
	Frequency Range	AC Coupled, 10Hz minimum to rated bandwidth				
	Signal Source	All available trigger source except the Pulse Width & Video Trigger mode				
EXTERNAL TRIGGER	Range	±15V				
	Sensitivity	DC~30MHz：~50mV; 30~150MHz：~100mV			DC~30MHz：~50mV; 30~150MHz：~100mV; 150MHz~250MHz：~150mV	
	Input Impedance	1MΩ ±2%, ~22pF				
	Maximum Input	300V（DC+AC peak）, CATII				
CONTROL PANEL FUNCTION	AutoSet	"Autoset" can adjust vertical（Volt/div）, Horizontal（Sec/div）and Trigger level automatically				
	Save/Recall	Up to 15 sets of measurement conditions can be saved and recalled				
	Waveform Trace Save/Recall	2 sets of waveform can be saved and recalled				
INTERFACE	RS-232C	NA	Standard			
	GPIB	NA	Option			
	Printer Port	NA	Standard			
	USB	NA	Standard			
DIMENSIONS &WEIGHT		254D x 142H x 310W (mm), Approx. 4.1kg				

Specifications subject to change without notice.

Ordering Information

Standard Accessories

Probes-
GTP-150A-2 : 150MHz x10/x1 Switchable Passive Probes for GDS-820Series
GTP-250A-2 : 250MHz x10/x1 Switchable Passive Probes for GDS-840Series

Manual

Power cord

Option-

Opt. 01- GPIB Interface Module
Opt. 02- RS-232C Cable, 9-pin Female to 9-Pin Female, Null Modem, for Computers

ISO-9001 & ISO-14001 CERTIFIED MANUFACTURER

GW INSTEK®

GOOD WILL INSTRUMENT CO., LTD.
No. 95-11, Pao-Chung Road, Hsin-Tien City,
Taipei Hsien, Taiwan, R.O.C.
TEL: 886-2-29179188 FAX: 886-2-29179189
http://www.goodwill.com.tw
E-mail: marketing@goodwill.com.tw

U.S.A.
INSTEK CORP.
1205 John Reed Court
City of Industry, CA 91745, U.S.A.
TEL: 1-626-3366537
FAX: 1-626-3691748
http://www.instek.com

MALAYSIA
GOOD WILL Electronics Sdn. Bhd.
No. 5-3-11, Hunza Complex,
Jalan Gangsa, Greenlane Heights,
11600 Penang, Malaysia
TEL: 002-60-4-6591988
FAX: 002-60-4-6591989

CHINA
GOOD WILL Instrument(Suzhou)Co.,Ltd.
#69 Lushan Road, Suzhou New District
Jiangsu, China
TEL: 286-512-66617177
FAX: 286-512-66617277

FG-3015GD0